Ceiling Wireless Access Point

User Manual

XD9500S / XD9508S / XD9600S / XD9610S

Version V1.0

Spec

Item	Description
Operation Mode	802.11b/g/n，MIMO2X2
Frequency	2.4000～2.4835 GHz
Antenna	Build in 5dBi Omni antenna, Airgain brand
Power	<8 W
Power Adapter	DC 24V----1A (POE Adapter)-------*1* DC 48V----0.5A (POE Adapter)-----*Optional*
Dimension	168 mm*168mm*45 mm
Weight	197g
LED Light	Flashing mean Power On : Flashing mean WiFi working : Flashing mean System Status LAN: Flashing mean LAN Port working WAN: Flashing mean WAN Port working

1. For XD9500S and XD9600S, comply with Passive PoE, then the WAN/LAN Ports are PoE ports.
2. For XD9508S and XD9610S, comply with 802.3af PoE, WAN Port is the PoE Port.

Packing Detail

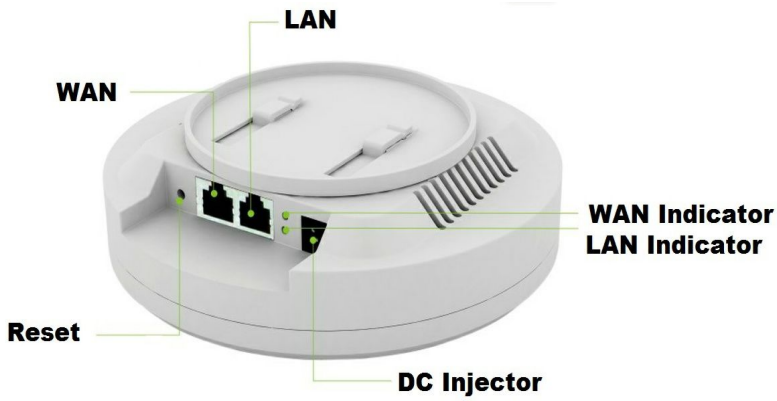
Item	Description	Unit	QTY
1	Ceiling AP	PC	1
2	24V /1A POE Adapter for XD9500S/XD9600S 48V/0.5A POE Adapter for XD9508S/9610S *Optional*	PC	1
3	Setting Accessory	Set	1
4	User Manual	PC	1
5	LAN Cable	PC	1

Atten tion

XD9500S/XD9600S can work with 24V PoE adapter or 24V PoE Switch;
XD9508S/XD9610S can work with 802.3af PoE Switch directly.

1ST How to Power on and Operation Mode Introduce

A. Interface Description



B. Powered by PoE Adapter,

The connection diagram showed as P1, internet cable connect to PoE adapter's LAN Port, Ceiling AP's WAN port connect to PoE adapter's PoE Port, then PC will access into ceiling AP through cable or wireless

P1

C. Powered by PoE Switch

The connection diagram shows as P2, Internet cable from PoE Switch to Ceiling AP's WAN Port, then PC access into ceiling AP wired/wireless.

Pls note, the PoE switch should support 24V Passive PoE or 802.3af 48V PoE, can supply power together with data transmission.

P2

- **The operation mode and connection:**

There are three operation mode: Gateway, Wifi Repeater, Wireless AP

Gateway: The cable internet can be transmitted to wireless internet through PPPOE, Static IP, Dynamic IP. The connection topology is showed as follows: Connect Internet cable to Ceiling AP's WAN port, PC or end user connect with Ceiling AP through wired/wireless.

P3 Gateway

Wi-Fi Repeater: The ceiling AP can extend the existing wifi range if it signal is weak. The connection shows as follows: Ceiling AP can search the existing wifi signal then connect it wirelessly, then PC or end user can access into ceiling AP wireless/wired.

P4 Wi-Fi Repeater

AP Mode: plug and play, suitable for hotel, school, super market and so on. The connection is: the internet cable is connected from router/switch to ceiling AP , then ceiling AP will transmit Wi-Fi signal, PC and end user can access into internet by wired/wireless

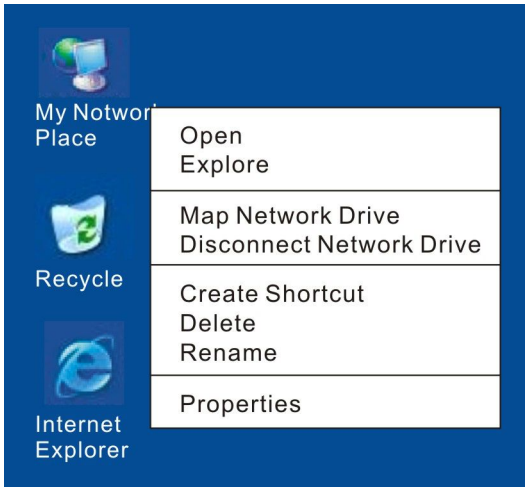
P5 AP Mode

2nd：Power On and Login

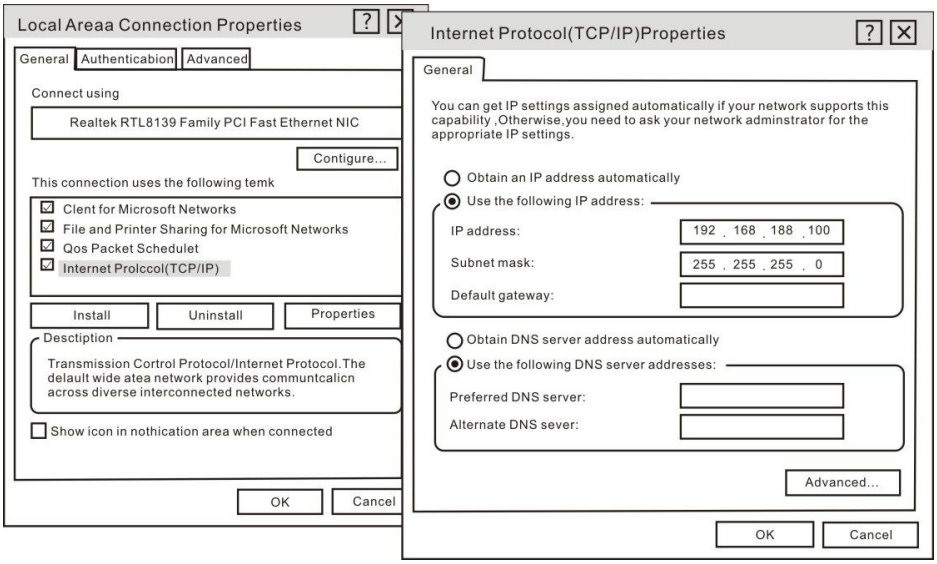
1）Choose the proper power supply mode and operation mode

2）Assign an IP address for local PC

Following steps will show how to assign an IP address for PC after connect Ceiling AP and PC by wired cable : configure local IP address as 192.168.188.X(X can be selected from 2-254) the same network segment as ceiling AP, subnet mask 255.255.255.0, As P6 and P7 shows.



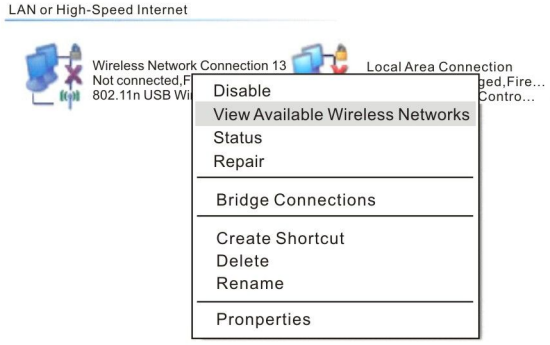
P 6　Check Local Area Connection



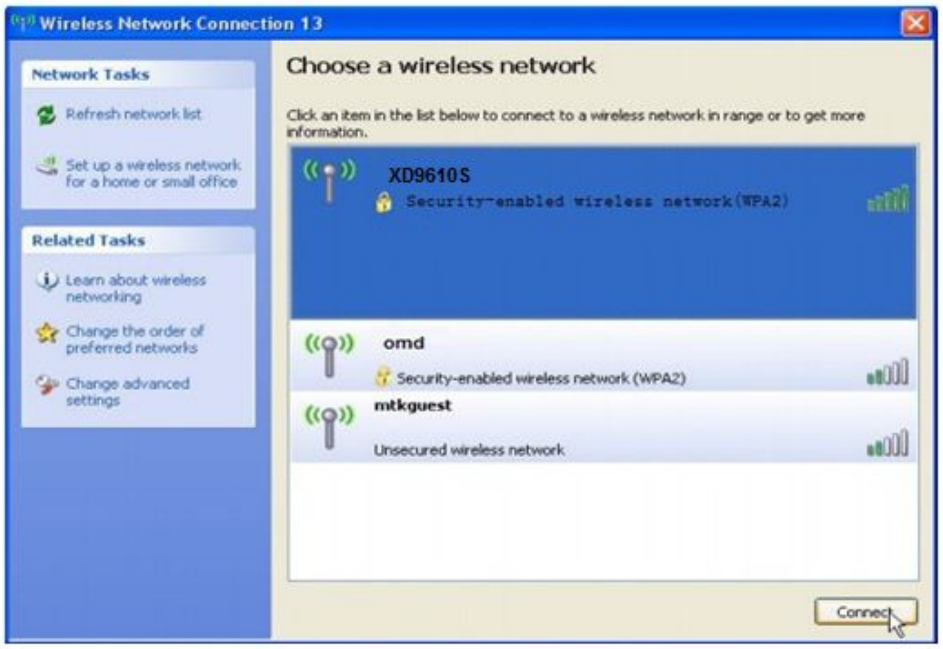
P7　Assign IP address for PC

3）Wireless Connection between ceiling AP and PC

Assign an IP address for PC's wireless LAN card as 192.168.188.X(X can be selected from 2-254) , then view available wireless networking, then refresh network list, choose **SSID: XD9610S,** input the **password: 66666666**, then connect.



P 8　View Available Wireless Networks


Wireless Network Connection 13
Network Tasks
Refresh network list
Set up a wireless network for a home or small office
Related Tasks
Learn about wireless networking
Change the order of preferred networks
Change advanced settings
Choose a wireless network
Click an item in the list below to connect to a wireless network in range or to get more information.
XD9610S
Security-enabled wireless network(WPA2)
omd
Security-enabled wireless network (WPA2)
mtkguest
Unsecured wireless network
Connect

P 9 Wireless Network List

4) Click Internet Explorer and input 192.168.188.253 on the address bar, then press Enter, a login page will pop up, input **admin/admin** in **user name/password**, then press Enter.

P 10 Login

3rd: Operation Mode

How to set ceiling AP through Quick Guide: after Log in and enter into the WEB interface page, you can find some basic information of this wireless AP, such as SSID, Channel, Operation Mode, Software Version, Hardware Version, System Tools...The default operation mode is Wireless AP. Following steps will show you how to configure different operation mode.

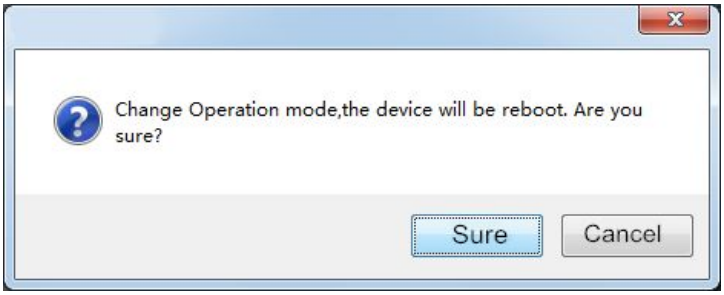
P11 Quick Setup

- **Gateway**：Pls click “Internet Settings” on P11, then will pop up a window showed as P12, then choose PPPOE or Dynamic IP, then can modify the SSID, Channel, Password.

If choose Dynamic IP in WAN Setting, then input the right info, then click apply and sure to finish.

If choose PPPOE (ADSL) in WAN Setting, then input user name（usually it’s an email address） and password from your ISP, then input right info in wireless part, then click apply and sure to finish. Then waiting seconds for AP’s restarting. Then set PC’s IP address as Obtain an IP address automatically, then share internet freely.

P12 Gateway Operation Mode



P13 Change Operation Mode

- **WiFi Repeater：** Click wifi repeater in quick setup, following page will be showed, click scan AP, choose the right SSID(take ZMK for example), then input password of ZMK if have, then apply. Then waiting seconds for AP's restarting. Then set PC's IP address as Obtain an IP address automatically, then share internet freely.

P14 WiFi Repeater

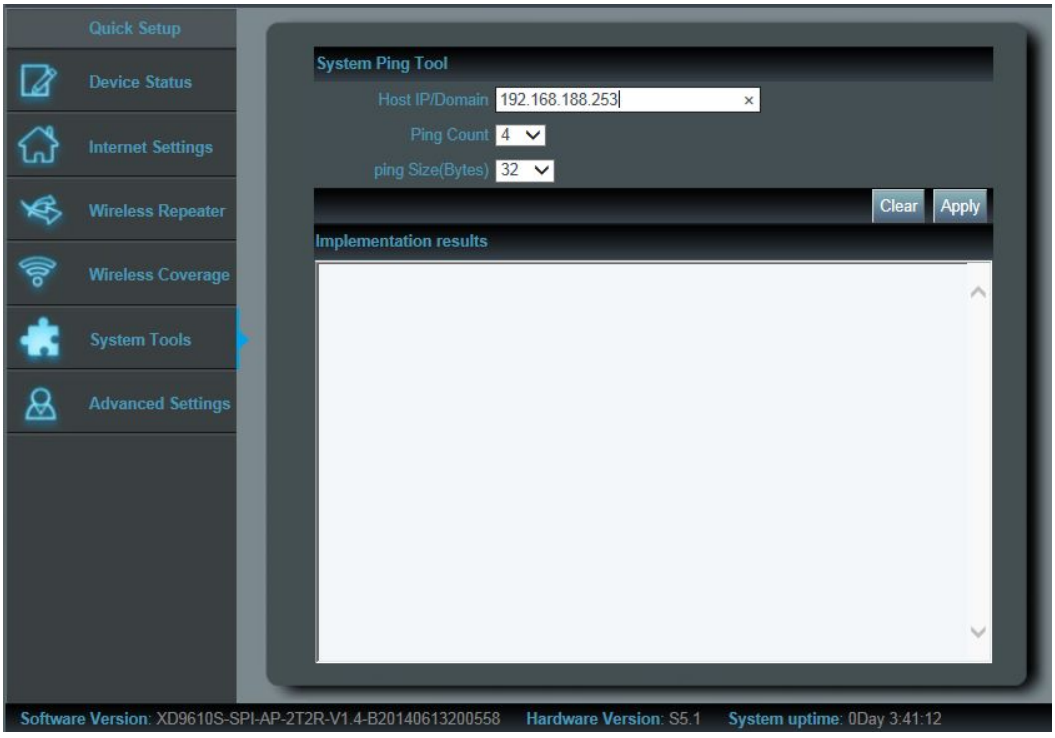
P15 Select AP

- **AP Operation Mode:** Click Wireless Coverage, then operation mode is wireless access point, plug and play, it will pop up the following window. In this page, user can change AP's SSID, password, channel...then Apply to finish.

After the wireless AP restart, connect wireless AP as showed on P5, set PC's IP address as obtain an IP address automatically, then can share internet.

P16 Wireless Access Point

- **System tools:** click System tools in quick setup, then input host IP address or any IP address want to ping then input the ping count, ping size, then apply, user can check the connection between user and wireless AP, pls check P17.



P17 System Tools

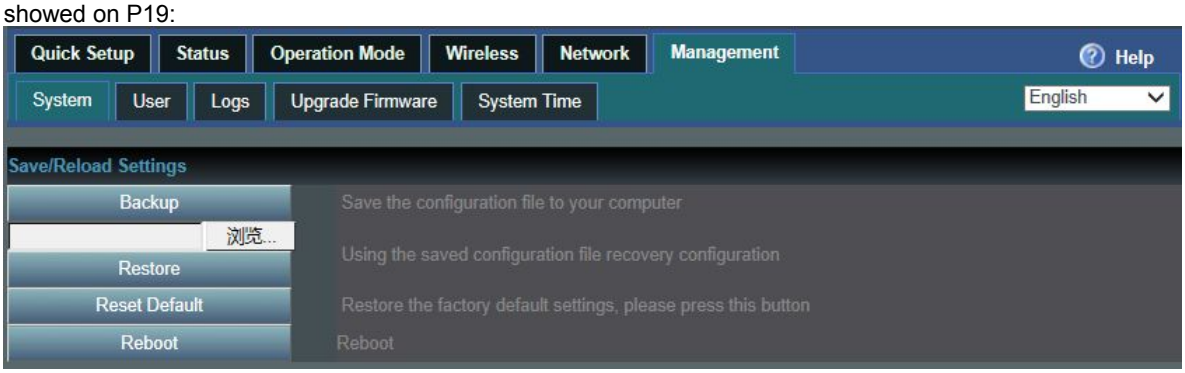
4th: IP Settings and Status Checking

- **IP Settings:** the wireless AP will restart after configure the settings, set PC's IP address as obtain an IP address automatically, PC and other equipment can access into top router or switch, then access into internet successful.
- **Status Checking:** set an IP address for PC if want to check wireless AP's status, then the Pc's IP address should be in the same segment with wireless AP's IP, such as wireless AP's IP address is 192.168.188.253, PC's IP address should be 192.168.188.X, X is number of 2~252. Then input 192.168.188.253 to check wireless AP's status.

P18 Device Status

5th: Advanced Settings and Management

Enter into WEB interface, click Advanced Settings, then click Management to enter into Management page as showed on P19:



P19 Management

- System: export the default data, or load the new configuration file to restore the AP's system, or reboot to default setting.

- User: set the admin and password for ceiling AP
- Log: Log Enable or disable, or view the system log from here
- Firmware upgrade: Upgrade new firmware improve systems's performance and stability.
- System Time: set Wireless AP's system time, or optimize system time's intervals.

Attenti

The wireless AP can be restored to factory default by press the Reset button around 15 seconds. Then WiFi LED flash off, System reboot and restore to factory default

Trouble Shooting

F 1 Symptoms and Solution

Symptoms	Solution
Forget user name and password in login	Restore to factory default
Can't login the ceiling AP through WEB management	1. Pls make sure PC and ceiling AP's IP Address are in same network segment, then check if can Ping AP's IP address:PC start--input "amd" in Run, then ping 192.168.188.253 2. Login again after Restore this ceiling AP to factory default 3. Make sure there isn't any equipment to take IP address of 192.168.188.253 in the same network 4、Check LAN cable to avoid any problem, recommend to use unshielded twisted pair 10/100M Ethernet cable.
Forget the AP's SSID and passwords	1.Login to AP's interface page by internet cable,then reset password in wireless setting. 2.Restore to factory default
Can't access to AP's IP address	1. Check AP's DHCP and make it enabled in Gateway mode. 2. Check the internet connection between ceiling AP and the root router/switch in AP and Repeater mode
Can't access into Internet even finish the setting of wireless AP	1、If dynamic IP user, login wireless AP's WEB page,check Internet settings--WAN Setting--Dynamic IP, fill in right info 2、If ADSL user, login wireless AP's WEB page, check Internet settings--WAN setting--PPPOE, then input the right user name and password 3、Pls set PC's IP address as obtain IP address automatically
How to change IP address in local network	Click Advanced setting-Network-LAN setting-IP address setting-Apply